

WHAT IS CLAIMED IS:

1. An image forming apparatus, comprising:
  - a frame body;
  - a frame cover supported by the frame body so as to be capable
  - 5 of opening and closing;
  - an image forming unit that forms a toner image with toner on an image carrier;
  - a cleaning unit that removes and collects toner residing on the image carrier; and
  - 10 a toner container for accumulating the toner collected by the cleaning unit, wherein the toner container is supported by the frame cover.
2. The image forming apparatus according to claim 1, wherein the
- 15 toner container is formed integrally with the frame cover.
3. The image forming apparatus according to claim 1, wherein the toner container is detachably held by the frame cover.
- 20 4. The image forming apparatus according to claim 3, wherein the toner container has such a structure that the toner in the toner container is visible from outside of the toner container.
5. A process cartridge that is used in an image forming apparatus,
- 25 the image forming apparatus including

a frame body; a frame cover supported by the frame body so as to be capable of opening and closing; an image forming unit that forms a toner image with toner on an image carrier; a cleaning unit that removes and collects toner residing on the image carrier; and a  
5 toner container for accumulating the toner collected by the cleaning unit wherein the toner container is supported by the frame cover, and at least one unit selected from the image forming unit and the cleaning unit is integrally formed with the image carrier, and  
the process cartridge has an arrangement so that the process  
10 cartridge can be detachably attached to the frame body.

6. A waste toner recovery device, comprising:  
a toner container, detachably attached to an image forming apparatus, for collecting waste toner produced in the image formation  
15 process by the image forming apparatus, the toner container including a conveying unit for moving the waste toner inside the toner container, wherein  
the toner container has a shape that fits in a space inside the image forming apparatus.

20

7. The waste toner recovery device according to claim 6, wherein the toner container has a surface that faces toward a member of the image forming apparatus and the surface is formed in a shape corresponding to a shape of the member.

25

8. The waste toner recovery device according to claim 7, wherein the member is a cleaning device with a plurality of cleaning units that are aligned in a direction and slantingly with respect to the image forming apparatus, and the surface has a slope in the direction in which  
5 the cleaning units are aligned.

9. The waste toner recovery device according to claim 8, wherein the surface is parallel to the cleaning units.

10 10. The waste toner recovery device according to claim 8, wherein the toner container has a hole at a highest position of the toner container, when the toner container is fit into the image forming apparatus, wherein the hole communicates with the cleaning device so that waste toner collected by the cleaning device accumulates into the  
15 toner container via the hole.

11. The waste toner recovery device according to claim 8, wherein the toner container has a hole corresponding to each of the cleaning unit, wherein each hole communicates with the corresponding cleaning  
20 unit so that waste toner collected by the cleaning unit accumulates into the toner container via the hole.

12. The waste toner recovery device according to claim 11, wherein the holes are formed at regular intervals.

13. The waste toner recovery device according to claim 10, wherein the introduction hole is formed on the surface of the container.

14. The waste toner recovery device according to claim 10, the  
5 toner container has a side surface, and the hole is formed on the side surface.

15. The waste toner recovery device according to claim 10, wherein the hole communicates with the cleaning device via a conveying path,  
10 and the hole is wider than the conveying path.

16. The waste toner recovery device according to claim 6, wherein the conveying unit includes  
a conveyor; and  
15 a drive unit that drives the conveyor.

17. The waste toner recovery device according to claim 16, wherein the conveyor conveys the waste toner, coming in the toner container from the hole, away from the hole.

20

18. The waste toner recovery device according to claim 16, wherein the conveyor conveys the waste toner in the toner container from a relatively lower part to a relatively higher part in the toner container.

25

19. The waste toner recovery device according to claim 16,  
comprising a plurality of the toner containers.

20. The waste toner recovery device according to claim 16, wherein  
5 the conveyor is a screw conveyor.